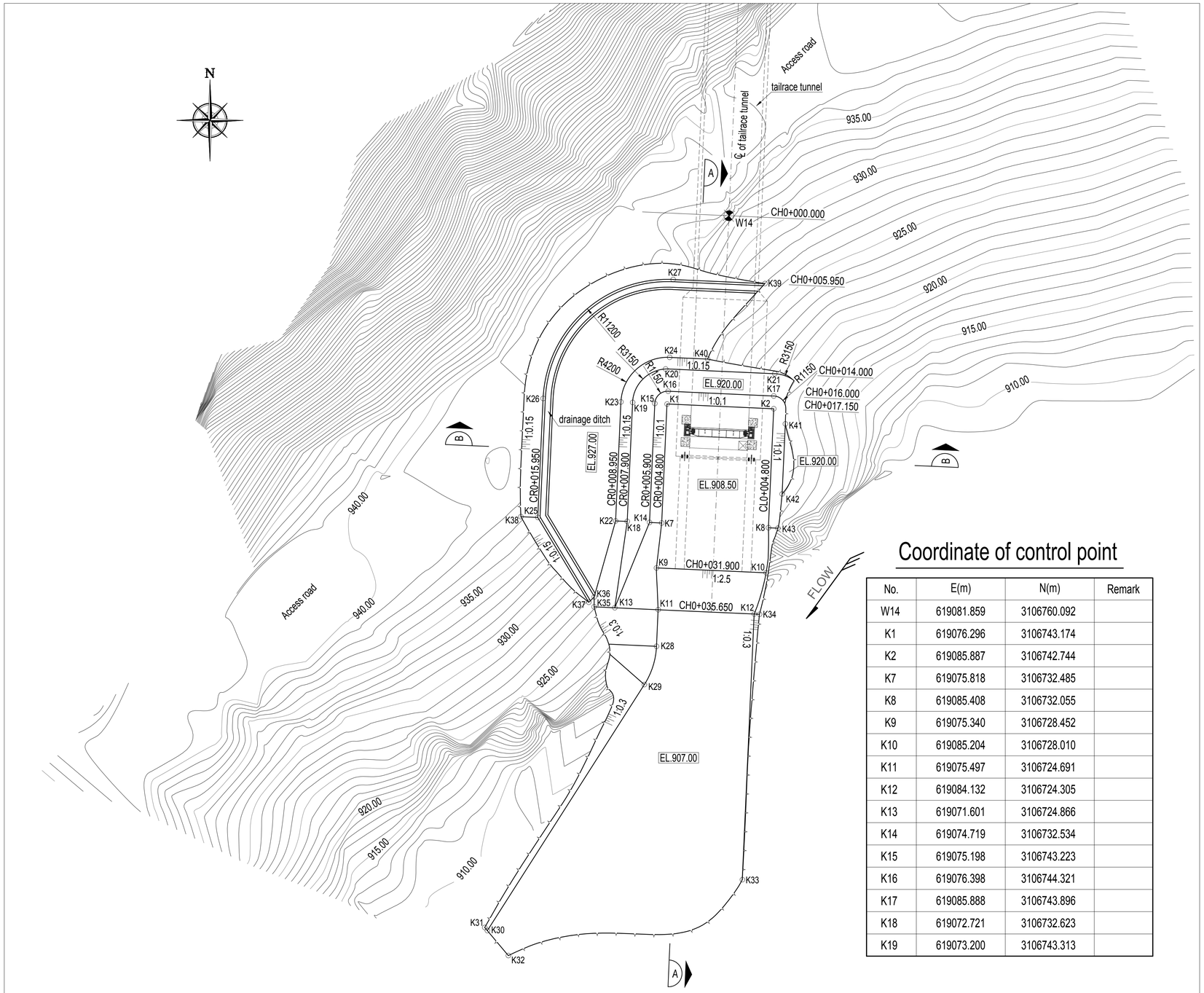
LAYOUT PLAN OF TAILRACE TUNNEL OUTLET EXCAVATION

Scale 1:200



Coordinate of control point

No.	E(m)	N(m)	Remark
W14	619081.859	3106760.092	
K1	619076.296	3106743.174	
K2	619085.887	3106742.744	
K7	619075.818	3106732.485	
K8	619085.408	3106732.055	
K9	619075.340	3106728.452	
K10	619085.204	3106728.010	
K11	619075.497	3106724.691	
K12	619084.132	3106724.305	
K13	619071.601	3106724.866	
K14	619074.719	3106732.534	
K15	619075.198	3106743.223	
K16	619076.398	3106744.321	
K17	619085.888	3106743.896	
K18	619072.721	3106732.623	
K19	619073.200	3106743.313	

NOTE

1.This set of drawings are open excavation and support of tailrace outlet gate chamber. 2 sheets in total, this is 1/2.

2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.

3.Inspection shall be carried out during excavation and support.

4. Adjustment of access road adjacent to open excavation area shall be in accordance with this drawing, access shall be descended and connected to EL.927m platform with applicable gradient approved by Employer or OE.

5.The excavation and supports can be adjusted according to the revealed actual situation and instruction of site OE.

Scale:
1:200 0 2 4 6 8 10m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
A	21.JAN.2022	FOR APPROVAL	GUO Z.Y	ZHANG J.Q.	ZHANG FAN

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

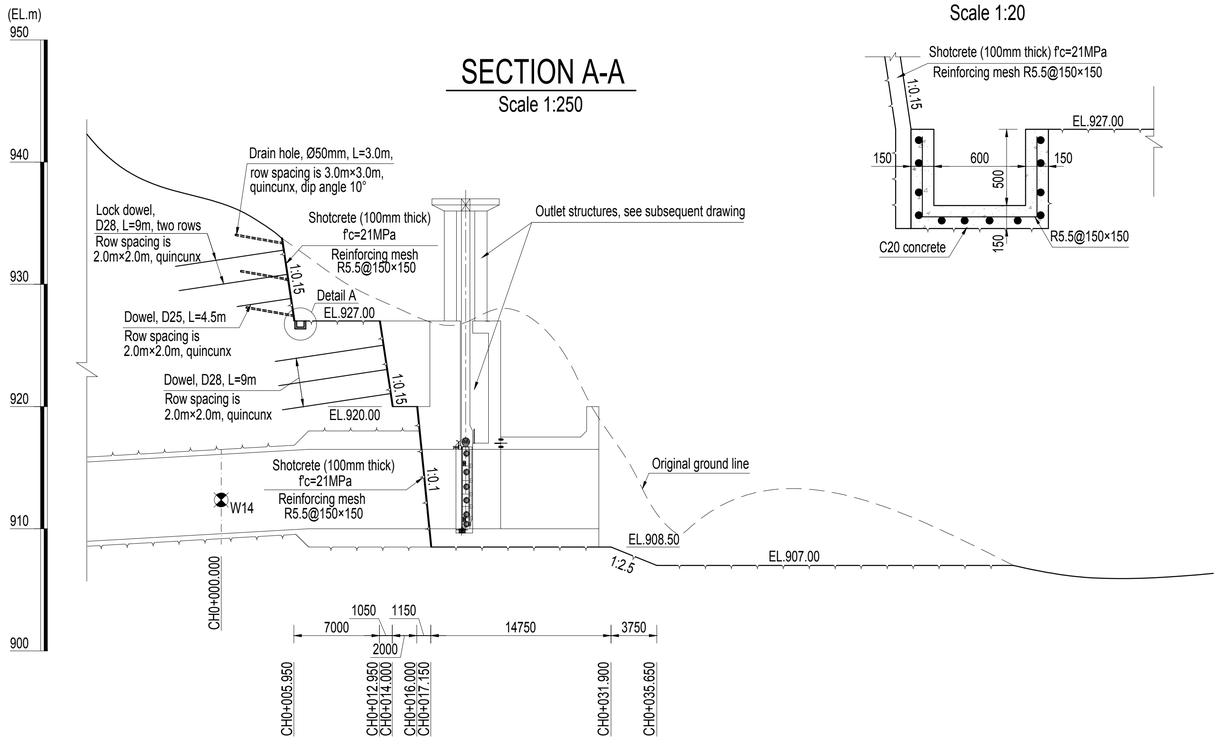
DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF TAILRACE OUTLET GATE CHANMBER(1/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-080-CVL-DG-59001-01	1 OF 2	A

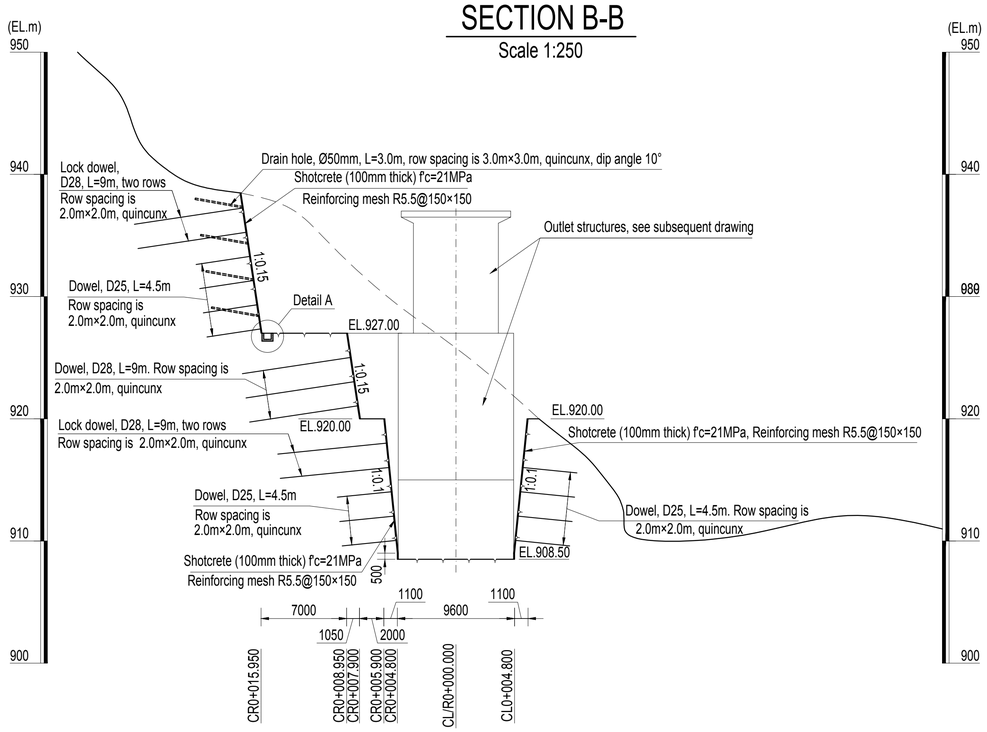
A1 (594 x 841 MM)

SECTION A-A
Scale 1:250

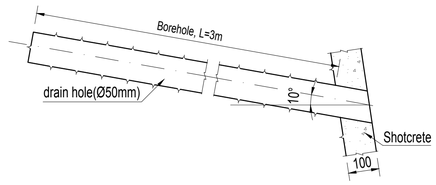


Detail A
Scale 1:20

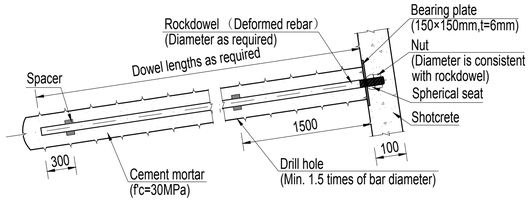
SECTION B-B
Scale 1:250



DETAIL OF DRAIN HOLE



DETAIL OF DOWEL



Coordinate of control point

No.	E(m)	N(m)	Remark
K20	619076.487	3106746.319	
K21	619085.978	3106745.894	
K22	619071.672	3106732.670	
K23	619072.151	3106743.360	
K24	619076.534	3106747.368	
K25	619064.679	3106732.984	
K26	619065.158	3106743.673	
K27	619076.848	3106754.361	
K28	619075.349	3106721.404	
K29	619074.259	3106717.961	
K30	619060.143	3106695.858	
K31	619059.912	3106696.132	
K32	619062.034	3106693.614	
K33	619083.063	3106700.427	
K34	619084.607	3106724.283	
K35	619069.738	3106724.949	
K36	619069.748	3106725.833	
K37	619069.264	3106725.357	
K38	619063.161	3106733.052	
K39	619085.099	3106753.991	
K40	619079.940	3106747.215	
K41	619086.927	3106741.386	
K42	619086.645	3106735.087	
K43	619086.259	3106732.017	

NOTE

1.This set of drawings are open excavation and support of tailrace outlet gate chamber. 2 sheets in total, this is 2/2.
2.All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3.The cylinder specified compressive strength of shotcrete and cement mortar at 28 days of age is 21MPa and 30MPa, respectively.
4.Symbol description:
R denotes round bar, yield strength of the round bar is 280MPa.
D denotes deformed bar, yield strength of thedeformed bar is 500MPa;
5.Arrangement drawings of outlet structures will be prepared subsequently.
6.One contraction joint is set with 12m interval to the drainage ditch.

Scale:

1:250 0 2.5 5 7.5 10 12.5m

1:20 0 0.2 0.4 0.6 0.8 1.0m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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OWNER'S ENGINEER

TRACTEBEL ENGIE JADE CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF
TAILRACE OUTLET GATE CHANMBER(2/2)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-080-CVL-DG-59001-02	2 OF 2	A

A1 (594 x 841 MM)